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PTO/SB/05 (03-01)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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|--|-------------------------------|--|
| UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b)) | Attorney Docket No. | OR03-08001 |
| | First Inventor | Shu Ling |
| | Title | System and Method for Invalidating Data in a Hierarchical Caches |
| | Express Mail Label No. | EL 978 246 377 US |

| | |
|--|---|
| APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. | ADDRESS TO: MS Patent Application Commissioner for Patents Alexandria, VA 22313-1450 |
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing) | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) |
| 2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. | 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) |
| 3. <input checked="" type="checkbox"/> Specification [Total Pages 24] (preferred arrangement set forth below) <ul style="list-style-type: none">- Descriptive title of the Invention- Cross References to Related Applications- Statement Regarding Fed sponsored R & D- Reference to sequence listing, a table, or a computer program listing appendix- Background of the Invention- Brief Summary of the Invention- Brief Description of the Drawings (if filed)- Detailed Description- Claim(s)- Abstract of the Disclosure | a. <input type="checkbox"/> Computer Readable Copy (CRF) b. Specification Sequence Listing on: <ul style="list-style-type: none">i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); orii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statement verifying identity of above copies |
| 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 3] | ACCOMPANYING APPLICATION PARTS |
| 5. Oath or Declaration [Total Pages 4] <ul style="list-style-type: none">a. <input checked="" type="checkbox"/> Newly executed (original or copy)b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. § 1.63(d)) (for continuation/divisional with Box 18 completed)<ul style="list-style-type: none">i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b). | 9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) |
| 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76. | 10. <input type="checkbox"/> 37 C.F.R. §3.73(b) Statement of Power of Attorney (when there is an assignee) (Combined with Declaration) |
| | 11. <input type="checkbox"/> English Translation Document (if applicable) |
| | 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 |
| | 13. <input type="checkbox"/> Preliminary Amendment |
| | 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) |
| | 15. <input type="checkbox"/> Certified copy of Priority Document(s) (if foreign priority is claimed) |
| | 16. <input type="checkbox"/> Certified Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. |
| | 17. <input checked="" type="checkbox"/> Other: Power of Atty by Assignee; Credit Card payment frm |

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:


☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____ filed _____

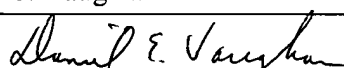
Prior application information:

Examiner: _____

Group Art Unit: _____

For CONTINUING OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

| | | | | | |
|---|-----------|---|----------|--|--|
| 19. CORRESPONDENCE ADDRESS | | | | | |
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label | |  | | or <input type="checkbox"/> Correspondence address below | |
| Name | | Park, Vaughan & Fleming | | | |
| Address | | PATENT TRADEMARK OFFICE | | | |
| City | | State | Zip Code | | |
| Country | Telephone | Fax | | | |

| | | | |
|-------------------|---|-----------------------------------|------------------|
| Name (Print/Type) | Daniel E. Vaughan | Registration No. (Attorney/Agent) | 42,199 |
| Signature |  | Date | December 2, 2003 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

Complete if Known

| | |
|----------------------|------------------|
| Application Number | |
| Filing Date | December 2, 2003 |
| First Named Inventor | Shu Ling |
| Examiner Name | |
| Group Art Unit | |
| Attorney Docket No. | OR03-08001 |

TOTAL AMOUNT OF PAYMENT **(\$)** **1,144**

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:

Deposit Account Number: 50-1801

Deposit Account Name: Park, Vaughan & Fleming LLP

☒ Charge any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ **Payment Enclosed:**

☐ Check ☒ Credit card ☐ Money ☐ Other Order

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

| Fee Code (\$) | Fee Code (\$) | Fee Code (\$) | Fee Description | Fee Paid |
|---------------|---------------|---------------|--|----------|
| 1051 130 | 2051 65 | | Surcharge - late filing fee or oath | |
| 1052 50 | 2052 25 | | Surcharge - late provisional filing fee or cover sheet. | |
| 1053 130 | 1053 130 | | Non-English specification | |
| 1812 2520 | 1812 2520 | | Request for <i>ex parte</i> reexamination | |
| 1804 920* | 1804 920* | | Requesting publication of SIR prior to Examiner action | |
| 1805 1840* | 1805 1840* | | Requesting publication of SIR after Examiner action | |
| 1251 110 | 2255 55 | | Extension for reply within first month | |
| 1252 420 | 2252 210 | | Extension for reply within second month | |
| 1253 950 | 2253 475 | | Extension for reply within third month | |
| 1254 1480 | 2354 740 | | Extension for reply within fourth month | |
| 1255 2010 | 2255 1005 | | Extension for reply within fifth month | |
| 1401 330 | 2401 165 | | Notice of Appeal | |
| 1402 330 | 2402 165 | | Filing a brief in support of an appeal | |
| 1403 290 | 2403 145 | | Request for oral hearing | |
| 1451 1510 | 1451 1510 | | Petition to institute a public use proceeding | |
| 1452 110 | 2452 55 | | Petition to revive - unavoidable | |
| 1453 1330 | 2453 665 | | Petition to revive - unintentional | |
| 1501 1330 | 2501 665 | | Utility issue fee (or reissue) | |
| 1502 480 | 2502 240 | | Design issue fee | |
| 1503 640 | 2503 320 | | Plant issue fee | |
| 1460 130 | 1460 130 | | Petitions to the Commissioner | |
| 1807 50 | 1807 50 | | Processing fee for provisional applications | |
| 1806 180 | 1806 180 | | Submission of Information Disclosure Stmt | |
| 8021 40 | 8021 40 | | Recording each patent assignment per property (times number of properties) | 40 |
| 1809 770 | 2809 385 | | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1810 770 | 2810 385 | | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1801 770 | 2801 385 | | Request for Continued Examination (RCE) | |
| 1802 900 | 1802 900 | | Request for expedited examination of a design application | |

Other fee (specify) _____

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) **(\$)** **40**

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|------------------------|----------|
| 1001 770 | 2001 385 | Utility filing fee | 770 |
| 1002 340 | 2002 170 | Design filing fee | |
| 1003 530 | 2003 265 | Plant filing fee | |
| 1004 770 | 2004 385 | Reissue filing fee | |
| 1005 160 | 2005 80 | Provisional filing fee | |

SUBTOTAL (1) **(\$)** **770**

2. EXTRA CLAIM FEES

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 29 | -20**= 9 | 18 | 162 |
| Independent Claims | 5 | -3**= 2 | 86 |
| Multiple Dependent | | | |

**or number previously paid, if greater; For Reissues, see below

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description |
|----------------------------|----------------------------|--|
| 1202 18 | 2202 9 | Claims in excess of 20 |
| 1201 86 | 2201 43 | Independent claims in excess of 3 |
| 1203 290 | 2203 145 | Multiple dependent claim |
| 1204 86 | 2204 43 | ** Reissue independent claims over original patent |
| 1205 18 | 2205 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) **(\$)** **334**

SUBMITTED BY

| | | | | |
|-------------------|-------------------|-----------------------------------|------------------|---------------------------------|
| Name (Print/Type) | Daniel E. Vaughan | Registration No. (Attorney/Agent) | 42,199 | <i>Complete (if applicable)</i> |
| Telephone | 650-474-1973 | | | |
| Signature | | | | Date |
| | | | December 2, 2003 | |

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